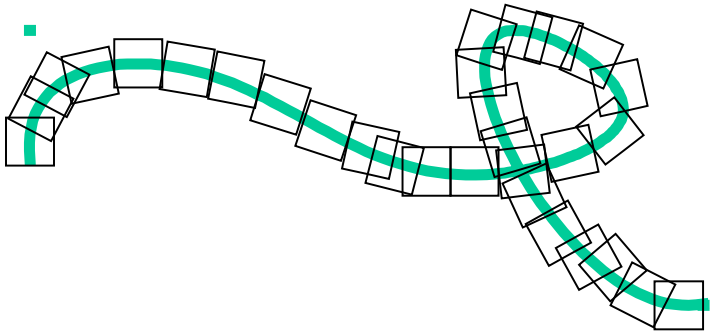
"Video Mosaic" Issues

- Video (motion imagery) is a continuous time series capture of images
- Video mosaic created from overlapping, extracted frames
- Final mosaic is a single composite still image
- Catalog of video mosaic footprint coverage

"Video Mosaic" - Time Series Capture

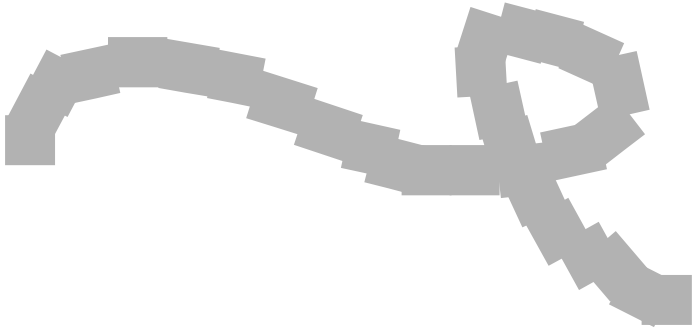
- **Time sequence and direction of multiple overlapping frames in the video mosaic is critical and this information must be preserved.**

"Video Mosaic" - Overlapping Frames



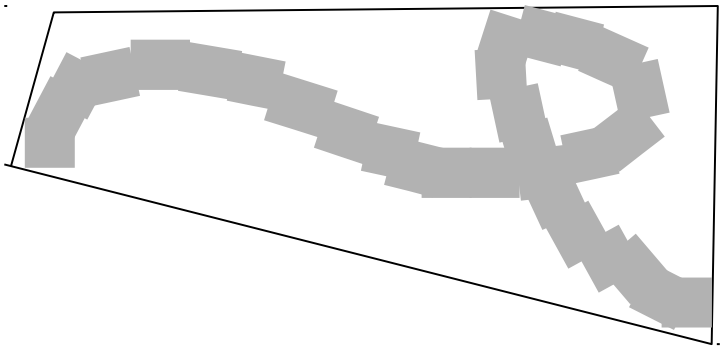
- Frames that make up the video mosaic will vary in their individual orientation from other frames in the mosaic.
- Metadata information about individual frames in the mosaic must be preserved so any one frame can be extracted for separate analysis.

"Video Mosaic" - Composite Image

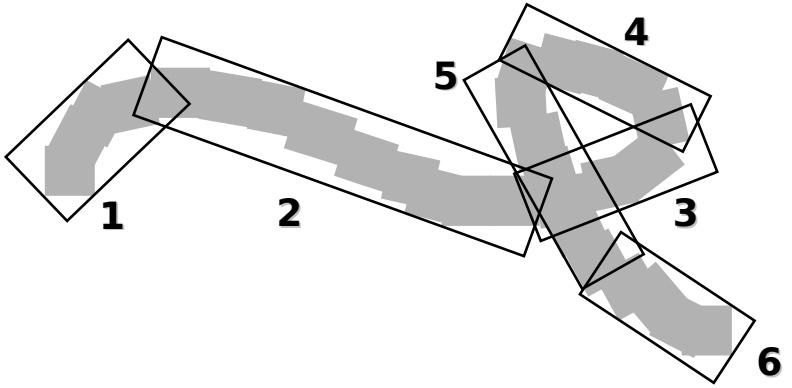


- **Resulting video mosaic image will likely always be an "odd" shape and will not fit a still image rectangle frame.**
- **If stored as one image it may result in an inordinately large image.**
- **There may be "holes" in the video mosaic if the field of view loops back on itself.**

"Video Mosaic" - Catalog Parameters



Bounding Quadrangle Footprint

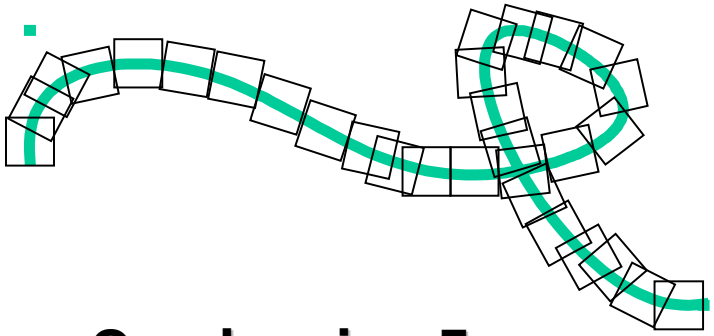


Segmented Image Footprints?

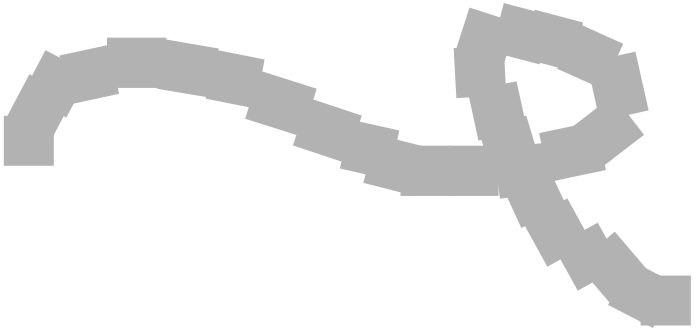
- Geospatial cataloging of the mosaic footprint coverage is more complex than other mosaics
- Bounding quadrangle is easy but could be misleading
- Bounding polygon or segmented images is more difficult to compute.

"Video Mosaic" Issues

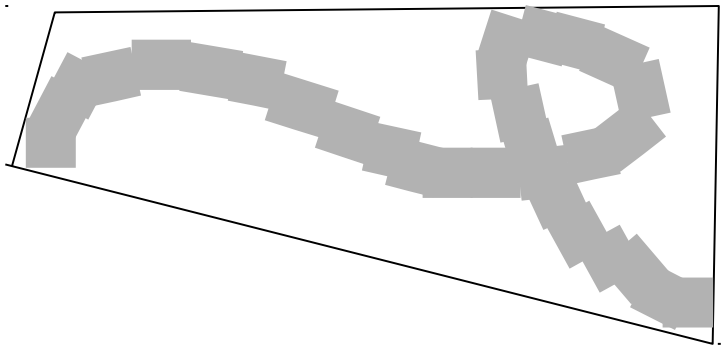
Time Series Capture



Overlapping Frames



Video Mosaic Image



Bounding Quadrangle Footprint?